

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

February 13, 2007

JK

TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor *DS*

FROM: James D. Smith, Environmental Scientist *DS 10/03/07*

RE: 2006 Third Quarter Water Monitoring, CO-OP Mining Company, Bear Canyon Mine, C/015/0025, Task ID #2716

The monitoring plan is described in Section 7.2.5, including Tables 7.1-6, 7.1-7, 7.1-8, 7.1-9, 7.2-4, and 7.2-5 of the MRP.

1. **Were data submitted for all of the MRP required sites?**

In-mine

YES ☒ NO ☐

SBC-I t has not been not accessible since early January 2003 because of a roof fall in the Hiawatha workings of Mine #1. SBC-9A replaced SBC-I 1 for monitoring water in this section of the #1 Mine; however, additional roof falls made Mine #1, including SBC-9A, inaccessible. The pipe that carries the water out of the mine to the culinary water supply is now the location for water quality and quantity monitoring, and SBC-9A has been retained as the name for this sampling site.

Springs

YES ☒ NO ☐

Streams

YES ☒ NO ☐

UPDES

YES ☒ NO ☐

"No flow" was reported for all UPDES discharge during the third quarter of 2006.

DMR parameters that are not included in the operational parameter lists in the MRP - such as sanitary wastes, visible foam, and floating solids - are not reported in the electronic submittal to the Division. Operational monitoring values are reported for UPDES flow, TDS, TSS, pH, and total iron.

Wells YES ☒ NO ☐

2. Were all required parameters reported for each site?

In-mine YES ☒ NO ☐

Springs YES ☒ NO ☐

Streams YES ☒ NO ☐

UPDES YES ☒ NO ☐

"No flow" was reported for all UPDES discharge during the third quarter of 2006.

Wells YES ☒ NO ☐

3. Were any irregularities found in the data?

Listed parameters were outside two standard deviations.

In-mine YES ☐ NO ☒

Springs YES ☒ NO ☐

SBC-3 August: water temperature and Cl;
SBC-5 August: field conductivity;
SBC-9A August: flow and Ca;
SBC-12 August: flow and lab conductivity;
SBC-17 August: flow;
SMH-1 July: water temperature;
SMH-1 August: lab conductivity;
SMH-2 August: Ca;
SMH-4 July: flow;

SMH-4 August: pH and lab conductivity.

Streams

YES ☒ NO ☐

BC-3 August: cation-anion balance;
BC-3 September: DO and flow;
MH-1 August: TSS.

UPDES

YES ☐ NO ☒

"No flow" was reported for all UPDES discharge during the third quarter of 2006.

Wells

YES ☒ NO ☐

MW-114 July: depth;
MW-117 July: depth.

4. On what date does the MRP require a five-year resampling of baseline water data.

Baseline parameters are to be taken in August of year 5 prior to each permit renewal (Table 7.I -8). Baseline parameters were measured August 2000 and included with the Third Quarter 2000 data submittal. Baseline parameters were to have been determined in August 2005, but they were missed and an NOV was issued. To abate the NOV, baseline Analyses are to be done on samples collected in August 2006.

5. Based on your review, what further actions, if any, do you recommend?

None.

6. Does the Mine Operator need to submit more information to fulfill this quarter's monitoring requirements?

YES ☐ NO ☒

7. Follow-up from last quarter, if necessary.

None.

8. Did the Mine Operator submit all the missing and/or irregular data (datum)?

NA

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